

California Integrated Waste Management Board

Board Meeting

March 15-16, 2005

AGENDA ITEM 13

ITEM

Consideration Of The Petition For Sludge Diversion Credit And Consideration Of A Request To Change The Base Year To 2003 For The Previously Approved Source Reduction And Recycling Element For The City Of Fairfield, Solano County

I. ISSUE/PROBLEM STATEMENT

The City of Fairfield (City) has requested to change its base year to 2003. The City has requested a 71 percent diversion rate for the 2003 new base year. With the California Integrated Waste Management Board (Board) staff-recommended new base year, the City's diversion rate would 65 percent for 2003. The City is also requesting consideration of its petition for sludge diversion credit. The City has submitted documentation showing that sludge is being diverted in a manner that protects the public health, safety and the environment. A complete listing of the City's implemented programs is provided in Attachment 1 of this agenda item.

II. ITEM HISTORY

The Board has previously approved a Senate Bill 1066 Time Extension through December 2003. This is the first time the City has requested a change to the base year to 2003 before the Board.

III. OPTIONS FOR THE BOARD

The Board may:

1. Approve the City's base-year change as originally submitted.
2. Approve the City's base-year change with staff's and/or Board-suggested modifications.
3. Disapprove the City's base year change.

IV. STAFF RECOMMENDATION

Board staff determined that the method used to establish the new base year with the recommended modifications has been adequately documented, and is generally consistent with previous Board standards for accuracy. Board staff therefore recommends the Board adopt Option 2, which would approve the revised base-year change with staff recommendations.

V. ANALYSIS

A. Key Issues and Findings

1. Background

Public Resources Code (PRC) Sections 41031 (cities) and 41331 (counties) require information submitted by jurisdictions on the quantities of solid waste generated, diverted, and disposed of, to include data that are as accurate as possible. At its March 1997 meeting, the Board approved methods for jurisdictions to use for improving the accuracy of their base-year generation data. One of the approved methods allows a jurisdiction to establish a more current base year.

2. Basis for staff's analysis

Staff's analysis is based upon the information below.

Existing Jurisdiction Conditions:

Key Jurisdiction Conditions										
Waste Stream Data										
Base Year	1998	1999	2000	2001	2002	2003	Pounds material generated per person per day (ppd)	Population	Non-Residential Waste Stream Percentage	Residential Waste Stream Percentage
2003	ND	ND	ND	ND	ND	65%	16.50	102,500	87%	13%

* These values are based on the City's proposed 2003 base year change, discussed in the "Base Year Change" section below.

Note: The pounds of waste generated by per person per day are higher than the average due to the higher non-residential percentage and because the calculation is based on residential population. For example, one business, the brewery, puts the pounds per person per day higher by 5.7 pounds.

City's geographic location: The City of Fairfield, located in Solano County, occupies 37 square miles of relatively flat land in the northeast San Francisco Bay Area and the western edge of California's agricultural heartland, the Central Valley.

Base-Year Change

The City has requested to change its base year from 1990 to 2003. The City considers the 2003 data to be more accurate, and is the best available data. There was no extrapolation of diversion data.

To estimate the waste generation in 2003, the City used disposal data from the Board's Disposal Reporting System and collected diversion information from the activities listed below. Staff conducted a site visit in May 2004 to verify these activities.

Program	Description
Residential:	
Curbside Recycling	The City entered into a new contract in 2001 for hauler services which offered two different collection carts sizes, a 35 or a 65 gallon size, versus the old 14 gallon bin for recyclables, and a wider range of recyclable materials. In 2002, the hauler collected 8,712 tons of recyclables and approximately 25,806 homes participating for a participation rate of 78%. Materials collected for recycling include mixed paper, junk mail, additional aluminum products, newspaper, cardboard, aluminum cans, bimetal cans, tin cans, glass bottles and jars, HDPE Plastic containers, and CRV materials.
Buyback Centers	The City has approximately 28 State Certified Recycling Centers located within the City limits which offered automated service for longer hours of operation and money voucher method of payment.
Residential Drop-off	Drop-off recycling is available at the solid waste facility, franchise hauler and other location throughout the City for a total of 12 drop-off centers.
Curbside Greenwaste Collection	Commencing in 2002, the City's franchise hauler implemented this program for approximately 23,000 single-family households. Green material is collected weekly, in either 64 or 96 gallon wheeled carts. Current participation rate was approximately 50% during 2002. The City is continuing to promote food waste as part of this program and all fallen and clipped green material.
Special Collection Events	In 2002, the City worked with a local gas company and rental company to host a collection event free to residents to address the mass quantity of out dated and unusable propane tanks. The City is also an annual contributor to the Coastal Clean-up events.
Commercial:	
Grasscycling	Grasscycling is actively being utilized at the City's parks and Golf Courses resulting in over 4 tons of grasscycling.

Commercial Recycling	The City's grocery stores have diversion programs in place to recycle materials (e.g., cardboard, plastic stretch film, bakery goods, bone and fat, produce trim, grease/oil, paper, newspaper and phone books).
Commercial Greenwaste On-site Pick-up	In 2002, the City's franchise hauler provided a green/food waste cart. During the first year, the participation rate was approximately 50%. For 2003, the City was able to divert 5,832 tons of green and food waste to compost.
Rendering	New hauler contract requires hauler to accept and take dead animals to landfill for rendering. City restaurants recycle their grease/cooking oil.
Alternative Daily Cover	In 2003, sewage sludge was used as ADC. In addition, ground green waste and construction and demolition material are also used as ADC.
Construction and Demolition	The City has developed a service agreement for C and D haulers and Fairfield is now accepting applications for C&D with the provision that 50% of C & D must be recycled. In addition, Fairfield's C & D collection is non-exclusive. In addition, concrete and asphalt is used for: 1) a road base at the landfill; and, 2) street maintenance by the City of Fairfield Public Works Department.
Sludge	Wastewater treatment plant sludge delivered to Potrero Hills Landfill for use as Alternative Daily Cover.

Originally the jurisdiction claimed a diversion rate of 71 percent for 2003. Attachment 2a is the City's revised Base Year Modification Request. As a result of Board staff's visit/verification of the City's claimed diversion, Board staff is recommending acceptance of the revised 2003 diversion rate of 65 percent.

The City appears to have programs that support the proposed diversion rate. Attachment 2b is the certification prepared by Board staff that provides additional details to support the Board staff's recommendations for the new base year.

Certification Changes

Based on staff's analysis of the jurisdiction's proposed new base year, as well as a site verification of the survey results, Board staff recommends several deductions. Board staff has discussed the proposed changes with City representatives. The City representatives agree with Board staff's recommendations for the proposed changes.

Attachment 3 is a summary of the changes showing what was originally claimed, Board staff findings, and the basis for the deductions and additions. With these changes, Board staff recommends the request for a new base year be approved.

Base Year Analysis

City of Fairfield	Disposal	Diversion	Generation
Old Base Year Tons (1990)	123,884	2,827	126,711
Jurisdiction New Base Year Tons (2003)	107,010	267,247	374,257
Board Staff Recommended New (2003) Base Year Tons	107,010	201,628	308,638

2003 Diversion Rate using (1990) base year	Jurisdiction Claimed Diversion Rate for 2003	Board Staff Recommended Diversion Rate for 2003
38%	71 %	65%

In addition to any deductions already made by the City and Board staff, the Board has authority to make additional deductions to the diversion tonnage. Public Resources Code Sections 41031, 41033, 41331, and 41333 provide that jurisdictions' waste characterization components (which contain the waste generation studies) shall include data that are as accurate as possible. These statutes provide the basis for allowing jurisdictions to request, and for the Board to approve, new base years.

Consequently, in considering new base year requests, the standard used by the Board is whether or not the new base year is as accurate as possible. To the extent that the Board determines that a portion of the new base year is not accurate, the Board may approve the remainder of the new base year, with the inaccurate portion removed.

Sludge Petition

PRC Section 41781.1 allows the Board to grant base year credit to jurisdictions hosting a sewage processing facility for sewage sludge diversion programs. Staff has received and reviewed a petition from the City of Brentwood requesting that their diverted sludge tonnage be allowed to count towards the requirements of PRC Section 41781.1 and Title 14, California Code of Regulations (CCR) Section 18775.2 also identifies the criteria that each jurisdiction must meet to petition the Board for sludge diversion credit.

Requirements for Jurisdictions:

In order to claim sludge diversion credit, a jurisdiction must submit a request, per 14 CCR Section 18775.2 (a) (1), that includes: (1) a description of the proposed sludge diversion project; (2) a description of the monitoring programs that will be established to insure that the sludge reuse project did not pose a threat to public health or the environment; (3) and written certification from the agent(s) responsible for implementing the project that the proposed sludge reuse meets all applicable requirements of state and federal law.

A jurisdiction must demonstrate, per PRC Section 41781 (b) and 14 CCR Sections 18720 (44) and 18722 (m) (1), that the sludge was a waste type disposed of in a Board-permitted disposal facility in the base year, that the sludge was generated from a facility within the jurisdiction, and that the sludge comprised at least 0.001 percent of the jurisdiction's total disposed waste during the base year.

Requirements for Board Staff:

Upon receipt of the petition, staff reviews and analyzes the petition to determine whether sufficient information has been included in the request to enable the Board to make a finding. Board staff must notify the jurisdiction in writing within 45 days as to whether the petition is complete, pursuant to the criteria set forth in both PRC Section 41781.1 and 14 CCR Section 18775.2. Staff has reviewed the petition and found that the City has met the requirements of 18775.2, 41781 (b), 18720 and 18722.

In addition, PRC Section 41781.1 (a) (1) (A) requires the Board to consult with, and obtain concurrence in the finding from the agencies listed below:

- State Water Resources Control Board (SWRCB), and Regional Water Quality Control Boards (RWQCB),
- State Department of Health Services (DHS),
- State Air Resources Board (ARB), and Air Pollution Control Districts (APCD), and Air Quality Management Districts, and

Board staff has reviewed the data submitted by the City and accepts that the sludge has been adequately analyzed, that the materials reused as described do not pose a threat to public health or the environment, and are in concurrence with requirements of these agencies.

3. Findings

Staff believes the City has adequately documented its request for a 2003 base year change. For this reason, staff is recommending approval of the staff-recommended base year change request documented in Attachment 2b.

B. Environmental Issues

Based on available information, staff is not aware of any environmental issues related to this item.

C. Program/Long Term Impacts

Improving the accuracy of jurisdiction's base year will lead to a more accurate statewide measurement.

D. Stakeholder Impacts

Approving the City's new base year will enable the City to more accurately measure the success of its diversion programs and therefore to more accurately report its progress to the Board.

E. Fiscal Impacts

No fiscal impact to the Board results from this item.

F. Legal Issues

As discussed above, this item represents the process for implementing PRC Section 41031 that requires a City to submit data on quantities of waste generated, diverted and disposed that are as accurate as possible.

**G. Environmental Justice
Community Setting.**

2000 Census Data – Demographics for City of Fairfield						
% White	% Hispanic	% Black	%Native American	%Asian	%Pacific Islander	%Other
49.0	18.8	14.7	0.5	10.7	0.0	0.3

2000 Census Data – Economic Data for City of Fairfield		
Median annual income	Mean (average) income	% individuals below poverty level
51,151	61,629	9.3

- **Environmental Justice Issues.** According to the jurisdictional representative, there are no environmental justice issues related to the new base year study in this community.
- **Efforts at Environmental Justice Outreach.** Printed materials are available in both Spanish and English languages. Additionally, English, Spanish and Hmong speaking city staff are available to answer questions from the public and to conduct targeted outreach activities.
- **Project Benefits.** Improving the accuracy of jurisdiction's base year will lead to a more accurate statewide measurement.

H. 2001 Strategic Plan

The City's new base year coincides with:

- Goal 2, Objective 3 (D)
- Goal 7, Objective 1 (B)

VI. FUNDING INFORMATION

This item does not require any Board fiscal action.

VII. ATTACHMENTS

1. Program Listing for the City of Fairfield
- 2a. Base Year Modification Request Certification for the City of Fairfield
- 2b. Board staff Recommended Base Year Modification Request Certification
3. Table A: Verification Findings for the City of Fairfield
4. Resolution Number 2005-71

VIII. STAFF RESPONSIBLE FOR ITEM PREPARATION

A. Program Staff: Betty Fernandez

Phone: (916) 341-6685

B. Legal Staff: Elliot Block

Phone: (916) 341-6080

C. Administrative Staff: N/A

Phone: N/A

IX. WRITTEN SUPPORT AND/OR OPPOSITION

A. Support

1. City of Fairfield

B. Opposition

1. No known opposition.

Office of Local Assistance
**Program Listing for
Fairfield**

Page 1
Date Printed
December 20,2004

Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
1000-SR-XGC Xeriscaping/Grasscycling	N	Y	1995	SI	SO	SO	SO	SO	SO	SO	SO
1010-SR-BCM Backyard and On-Site Composting/Mulching	N	Y	1993	SO	SO	SO	SO	SO	SO	SO	D 99
1020-SR-BWR Business Waste Reduction Program	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
1030-SR-PMT Procurement	N	Y	1998	PF	PF	PF	SI	SO	SO	SO	SO
1040-SR-SCH School Source Reduction Programs	N	Y	1997	PF	PF	SI	SO	SO	SO	SO	SO
1050-SR-GOV Government Source Reduction Programs	N	Y	1993	SO	SO	SO	SO	SO	SO	SO	SO
1060-SR-MTE Material Exchange, Thrift Shops	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2000-RC-CRB Residential Curbside	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
2010-RC-DRP Residential Drop-Off	N	Y	1992	SO	SO	SO	SO	SO	SO	SO	SO
2020-RC-BYB Residential Buy-Back	N	Y	1992	SO	SO	SO	SO	SO	SO	SO	SO

Status Code Legend

SO = Selected Ongoing
AO = Alternative Ongoing
SI = Selected Implemented
AI = Alternative Implemented
M = Regional Agency did not exist
or
city was not incorporated or
city

D = Dropped
DE = Dropped in Earlier Year
NI = Selected and Not Implemented
PF = Planned Future
NA = Program did not exist

Reason Code

1 = Delays in bringing diversion facilities
online.
2 = Unavoidable regulatory delays.
3 = Existing contractual or legal problems.
4 = Insufficient funding.
5 = Insufficient staffing.

6 = Lack of cooperation from other entities.
7 = Sufficient diversion without selected
program.
8 = Lack of markets necessary to support

Application: PARIS

Office of Local Assistance
**Program Listing for
Fairfield**

Page 2
Date Printed
December 20, 2004

Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
2030-RC-OSP Commercial On-Site Pickup	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
2040-RC-SFH Commercial Self-Haul	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
2050-RC-SCH School Recycling Programs	Y	Y	1990	SO	SO	SO	SO	SO	AO	AO	AO
2060-RC-GOV Government Recycling Programs	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
2070-RC-SNL Special Collection Seasonal (regular)	N	Y	1992	SO	SO	SO	SO	SO	SO	SO	SO
2080-RC-SPE Special Collection Events	N	N	1991	AO	AO	AO	AO	AO	AO	AO	AO
3000-CM-RCG Residential Curbside Greenwaste Collection	N	Y	NA	PF	PF	PF	PF	PF	PF	PF	SI
3010-CM-RSG Residential Self-haul Greenwaste	N	Y	1998	PF	PF	PF	SI	SO	SO	SO	SO
3020-CM-COG Commercial On-Site Greenwaste Pick-up	N	Y	1998	PF	PF	PF	SI	SO	SO	SO	SO
3030-CM-CSG Commercial Self-Haul Greenwaste	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO

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Office of Local Assistance
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Page 3
Date Printed
December 20, 2004

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3040-CM-FWC Food Waste Composting	N	N	1998	NA	NA	NA	AI	AO	AO	AO	AO
3050-CM-SCH School Composting Programs	N	Y	1995	SI	SO	SO	SO	SO	AO	AO	AO
3060-CM-GOV Government Composting Programs	N	N	1995	AI	AO	AO	AO	AO	AO	AO	AO
4010-SP-SLG Sludge (sewage/industrial)	N	Y	1995	SI	SO	SO	SO	SO	SO	SO	SO
4020-SP-TRS Tires	N	Y	1992	SO	SO	SO	SO	SO	SO	SO	SO
4030-SP-WHG White Goods	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
4040-SP-SCM Scrap Metal	N	Y	1993	SO	SO	SO	SO	SO	SO	SO	SO
4050-SP-WDW Wood Waste	Y	Y	1990	SO	SO	SO	SO	SO	AO	AO	AO
4060-SP-CAR Concrete/Asphalt/Rubble	Y	Y	1990	SO	SO	SO	SO	SO	AO	AO	AO
4090-SP-RND Rendering	N	Y	1993	SO	SO	SO	SO	SO	SO	SO	SO

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Application: PARIS

Office of Local Assistance
**Program Listing for
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Page 4
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Program Code	Existed	Slcted?	Pre 1995 Start	1995 Status	1996 Status	1997 Status	1998 Status	1999 Status	2000 Status	2001 Status	2002 Status
5000-ED-ELC Electronic (radio ,TV, web, hotlines)	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
5010-ED-PRN Print (brochures, flyers, guides, news articles)	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO
5020-ED-OUT Outreach (tech assistance, presentations, awards, fairs, field trips)	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
5030-ED-SCH Schools (education and curriculum)	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO
6000-PI-PLB Product and Landfill Bans	N	N	1996	NA	AI	AO	AO	AO	AO	AO	AO
6010-PI-EIN Economic Incentives	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO
6020-PI-ORD Ordinances	Y	Y	1990	SO	SO	SO	SO	SO	SO	SO	SO
7000-FR-MRF MRF	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
7010-FR-LAN Landfill	N	Y	1994	SO	SO	SO	SO	SO	SO	SO	SO
7030-FR-CMF Composting Facility	N	Y	1995	SI	SO	SO	SO	SO	SO	SO	SO

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Application: PARIS

Office of Local Assistance
**Program Listing for
Fairfield**

Page 5
Date Printed
December 20,2004

Program Code	Existed	Slcted?	Pre 1995 Start	----- 1995 ----- Status	----- 1996 ----- Status	----- 1997 ----- Status	----- 1998 ----- Status	----- 1999 ----- Status	----- 2000 ----- Status	----- 2001 ----- Status	----- 2002 ----- Status
7040-FR-ADC Alternative Daily Cover	N	Y	1996	PF	SI	SO	SO	SO	SO	SO	SO
9000-HH-PMF Permanent Facility	N	Y	1993	SO	SO	SO	SO	SO	SO	SO	SO
9010-HH-MPC Mobile or Periodic Collection	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	D 99
9020-HH-CSC Curbside Collection	N	Y	1998	PF	PF	PF	SI	SO	SO	SO	SO
9030-HH-WSE Waste Exchange	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
9040-HH-EDP Education Programs	N	Y	1991	SO	SO	SO	SO	SO	SO	SO	SO
9050-HH-OTH Other HHW	N	N	2002	NA	NA	NA	NA	NA	NA	NA	AI

Add any additional programs below

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Application: PARIS

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate report year generation study for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

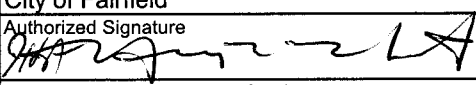
**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification			
<i>All respondents must complete this section.</i>			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name City of Fairfield		County Solano	
Authorized Signature 		Title City Manager	
Type/Print Name of Person Signing Kevin O'Rourke	Date 11/4/04	Phone () Include Area Code 707-428-7400	
Person Completing This Form (please print or type) Tammy Bennett		Title Recycling Coordinator	
Affiliation:	City of Fairfield		
Mailing Address	City	State	ZIP Code
1000 Webster St	Fairfield	CA	94533
E-Mail Address	<u>tbennett@ci.fairfield.ca.us</u>		

Section II: Information for New Generation-Based Study for Existing or New Base Year	
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").	
Note: New base years must be representative of a jurisdiction's disposal and diversion.	
1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2003
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
<p>Our current base year is still 1990, our original base year and we recognize that this can not possibly correctly reflect a true marker by which our diversion should be measured. In addition, the City of Fairfield has experienced robust growth residentially, commercially, and industrially since 1990. We intend to demonstrate in our request the true tonnage and diversion.</p>	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a.	%	Diversion rate calculated using new generation-based study
For existing base year pounds/person/day based on generation	8.5 lbs		For new generation based study pounds/person/day based on generation
Existing base year: Residential generation 25 % Non-Residential generation 75 %			New generation based study: Residential generation 8 % Non-Residential generation 92 %
Population existing generation-based study 78,650			Population new generation-based study 102,500
5. Please explain how the new diversion rate is consistent with your current diversion implementation efforts and also explain the specific reasons for the difference.			
<p>The City of Fairfield believes that the original generation study could not accurately estimate or calculate independent recycling. This is demonstrated in Fairfield's case as we are home to one of the Anhauser Busch breweris. A. Busch, alone, generates as much waste as all of Fairfield combined. Fortunately, they recycle, compost, or reuse 96% of that waste. And the only part of that material that is reported is what goes to the hauler which is roughly 200 tons, out of a possible 106,812 possible tons. The current study more accurately represents what is happening in Fairfield.</p>			
6. If the proposed new generation tonnage results in an increase in your pounds per day, please explain how this is consistent with your current diversion implementation efforts and provide examples (e.g., change in jurisdiction's demographics). In addition, If your pounds per person is over the state average of 11.2 pounds, please explain why.			

Section III - Disposal and Diversion Information

1. Disposal Tonnage (enter values):

76198

30812

107010

Residential

Non-Residential

Total

Please select the **ONE** choice below that best explains your disposal data and complete the required tables.

- ☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Number 2.)
- ☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.)
- ☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.)

2. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition and percentage calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt, white goods, and scrap metal,] you must identify those programs and waste types and complete Section VI. Survey forms for the top ten businesses must be included as an attachment with the generation study year and should be identified as Attachment 4a.

(Note: The Board has indicated that total source reduction amounts greater than five percent will be scrutinized. Please be prepared to substantiate the amounts.)

Note: Detailed Non-Residential waste audit information for the top ten businesses surveyed must be included in Section IV.

Please use the Board's program types from the online glossary at:

<http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm>

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (Include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting					
Grasscycling					
Other Residential Source Reduction (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Source Reduction	0	0%			
Residential Recycling Activities					
Curbside Recycling	1051	0%	Paper materials, Glass materials, Plastic materials, aluminum materials	Actual Weights	Based on DOC report
Buyback Centers	2171	1%	Glass, plastic, aluminum	Actual Weights	Based on DOC report
Drop-off Centers	53	0%	Glass, plastic, aluminum, wood, metal, cardboard	Actual Weights	Based on DOC report

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Curbside Non-CRV	7553	2%	bi-metal containers, cardboard, chip board, paper	Actual Weight	Total curbside tons (8604) reported on hauler annual report minus DOC annual report tonnage (1051)
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	10828	3%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	12116	3%	Green Waste & Food Waste	Actual Weight	Per hauler annual report
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	12116	3%			
Subtotal, Residential Diversion	22944	6%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits	104956	28%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Source Reduction (list each program separately)					
Golf Course Grasscycling	2523	1%	Grass	332 Total Mowable Acres x 7.6 tons	Golf Course Maintenance Department
City Parks and Buildings Grasscycling	1900	1%	Grass	250 Total Mowable Acres x 7.6 tons	City Public Works
Park Recycling / Dry Leaves	480	0%	Dry Leaves	2794 cu yards of dry leaves @ 1 cu yrd = 343.7 lbs	City Public Works measured material, Board conversion factors were used by TB to determine weight. No actual weight was taken.
Park Recycling / Chip Trees	111	0%	Chip Trees	4780 cu yds of green pruning @ 1 cu yrd = 46.69 lbs	City Public Works measured material, Board conversion factors were used by TB to determine weight. No actual weight was taken.
Commercial & Ind. Green Recycling	5832	2%	Green waste	Actual Weight	Based on annual hauler report
Subtotal, Non-Residential Source Reduction	115802	31%			

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (Include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Non-Residential Recycling Activities:					
Non-Residential Waste Audits	100257	27%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Recycling (list each program separately)					
					Based on monthly reports from maintenance organization
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	100257	27%			
Non-Residential Composting Activities					
Non-Residential Waste Audits	18587	5%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	18587	5%			
Subtotal Non-Residential Diversion	234646	63%			
Other Waste Material Activities					
(Note: If you are unable to provide the actual residential/non-residential split, please provide your best estimates of the split in each program type or put all the diversion under non-residential.)					
Residential					
ADC	9657	3%	Green Material	Actual Weight	Jurisdictional Disposal by Facility Report
Sludge (must submit sludge cert form)					
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
Other (e.g., ag waste)					
Subtotal Residential Waste	9657	3%			
Non-Residential					
ADC					
Sludge (must submit sludge cert form)					
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
Other (e.g., ag waste)					
Subtotal Non-Residential Waste	0	0%			

Diversion Activity	Actual tons (A)	Percent of Total Generation (A/Total Generation)	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.clwmb.ca.gov/LGCentral/Paris/Codes/ Reduce.htm					
Subtotal Residential/ Non-Residential Other Waste	9657	3%			
Total Residential/Non-Residential Source Reduction Tons	115802	31%			
Total Diversion Tons	267247	71%			
Total Disposal Tons from Number 1	107010	29%			
Total Generation Tons (Div+Dis)	374257				
NEW GENERATION STUDY					
DIVERSION RATE	71%				
Additional information for Report Year Calculations - Biomass and Transformation Activities (Note: you cannot claim both biomass and transformation.)					
Biomass (must submit biomass cert form and must be 10% or less-- use the calculator to calculate)					
Transformation					
Report Year Diversion Rate with Biomass or Transformation Credit					

Section IV - Specific Non-Residential Sector Waste Audits

1. Top 10 Non-Residential Generators

Please complete this table for the top ten non-residential businesses that were surveyed. Use the business type in lieu of the specific business name.(e.g., grocery store vs. Safeway) List each non-residential business separately from largest to smallest, based on total diversion tons. Audit reference number should be the same number used to identify businesses on the survey/audit sheets, and must correlate to the Section V spreadsheet.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section III)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Brewery	1	Cardboard, white paper, Aluminum cans, scrap metal, yard waste, cullet glass, spent grain, plastic strapping		106493	165	106658	28.5%	On-Site - Report
Concrete Recycler	2	Concrete & Steel		47014		47014	12.6%	P/Fax
Grocery Store	3	Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, pallets, phone books, plastic pallets, produce trim, stretch film, wax OCC		27396	7668	35064	9.4%	P/Fax
Grocery Store	4	Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, pallets, phone books, plastic pallets, produce trim, stretch film, wax OCC		27396	7668	35064	9.4%	P/Fax
Totals				208299	15501	223800	59.8%	

Also complete Section V which includes all of the businesses surveyed. Use the type of business and audit reference number in lieu of the specific business name. For each business include the diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors and sources. Copies of the audit survey form(s) for each of the top ten businesses **must** be included as an attachment.

Section V - Non-Residential Generator Audit Diversion Spreadsheet							
Worksheet is unlocked to allow modification (e.g., , adding ten rows and a subtotal row to the table for each generator). If you have any questions, please contact your OLA Representative at (916) 341-6199.							
Non-Residential Generator Audit Diversion							
Non residential Generator Survey/Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
1	Brewery	Spent Grain	Actual weight	104956	0	0	104956
		Glass (cullet)	Actual weight	0	630	0	630
		Aluminum	Actual weight (double counted?)	0	46	0	46
		Cardboard	Actual weight	0	647	0	647
		Plastic Strapping	Actual weight	0	19	0	19
		Scrap Metal	Actual weight (restricted waste?)	0	184	0	184
		Green Waste (# of Mowable Acres)	Actual weight	0	0	165	165
		White Paper	Actual weight	0	11	0	11
Subtotal -				104956	1537	165	106658
2	Concrete Recycler	Concrete (restricted waste?)	Actual weight	0	46934	0	46934
		Steel (restricted waste?)	Actual weight	0	80	0	80
Subtotal -				0	47014	0	47014
3	Grocery Store	Bakery Waste	Actual weight	0	0	188	188
		Bone/Fat	Actual weight	0	0	1700	1700
		Produce Trim	Actual weight	0	0	5780	5780
		Paper	Actual weight	0	75	0	75
		Newspaper	Actual weight	0	3	0	3
		OCC	Actual weight	0	25,047	0	25047
		Phone Books	Actual weight	0	45	0	45
		Plastic Pallets	Actual weight	0	197	0	197
		Stretch Film	Actual weight	0	486	0	486
		Wax OCC	Actual weight	0	0	1543	1543
Subtotal -				0	25853	9211	35064

Non residential Generator Survey/Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
4	Grocery Store	Bakery Waste	Actual weight	0	0	188	188
		Bone/Fat	Actual weight	0	0	1700	1700
		Produce Trim	Actual weight	0	0	5780	5780
		Paper	Actual weight	0	75	0	75
		Newspaper	Actual weight	0	3	0	3
		OCC	Actual weight		25047	0	25047
		Phone Books	Actual weight	0	45	0	45
		Plastic Pallets	Actual weight	0	197	0	197
		Stretch Film	Actual weight	0	486	0	486
		Wax OCC	Actual weight	0	0	1543	1543
Subtotal -				0	25853	9211	35064
Subtotal -				0	0	0	
Subtotal -				0	0	0	

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Section VI - Restricted Waste

For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program or generator, please provide the following information:

1. If the diversion program started on or after January 1, 1990, complete the following table.

Note: Specific Program Name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.") Please input the complete program name with business type if appropriate.

Restricted Waste Type	Audit Reference Number	Specific Program Name	Year Started	Tonnage
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

2. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board, on a separate sheet marked "Attachment Section VI. 2", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (**Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an "Attachment Section VI.2" for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

(Date)

If documentation is not available, go to Number 4.

3. If the diversion program started before January 1, 1990, and the documentation requested in Section VI.2" is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Audit Reference Number	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

4. If the diversion program started before January 1, 1990, and the documentation requested in Sect.VI.2 is not available, please complete the table below for each program claimed. **Note : Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation. The 1990 tonnage must be substantiated.**

Restricted Waste Type	Audit Reference Number	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base year used in calculating the diversion rate report year generation study for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

**California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, (MS-25)
PO Box 4025
Sacramento, CA 95812-4025**

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

- ☐ 1. Use a recent generation-based study to calculate our current reporting year generation amount, but not officially change our existing Board-approved base year.
- ☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative by calling (916) 341-6199.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of Fairfield		Solano	
Authorized Signature		Title	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
Person Completing This Form (please print or type)		Title	
Affiliation:			
Mailing Address	City	State	ZIP Code
E-Mail Address			

Section II: Information for New Generation-Based Study for Existing or New Base Year	
Attach additional sheets if necessary—reference each response to the appropriate cell number (e.g., "4").	
Note: New base years must be representative of a jurisdiction's disposal and diversion.	
1. Current Board-approved existing base year:	2. Proposed new generation-based study year:
1990	2003
3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:	
Our current base year is still 1990, our original base year and we recognize that this can not possibly correctly reflect a true marker by which our diversion should be measured. In addition, the City of Fairfield has experienced robust growth residentially, commercially, and industrially since 1990. We intend to demonstrate in our request the true tonnage and diversion.	

4. Enter diversion rate information below.			
Diversion rate calculated using existing base year	a. 38 %	Diversion rate calculated using new generation-based study	b. 65%
For existing base year pounds/person/day based on generation	8.5 lbs	For new generation based study pounds/person/day based on generation	16.50
Existing base year:		New generation based study:	
Residential generation 25 %	Non-Residential generation 75 %	Residential generation 13 %	Non-Residential generation 87 %
Population existing generation-based study 78,650		Population new generation-based study 102,500	
5. Please explain how the new diversion rate is consistent with your current diversion implementation efforts and also explain the specific reasons for the difference.			
The City of Fairfield believes that the original generation study could not accurately estimate or calculate independent recycling. This is demonstrated in Fairfield's case as we are home to one of the Anhauser Busch brewerys. A. Busch, alone, generates as much waste as all of Fairfield combined. Fortunately, they recycle, compost, or reuse 96% of that waste. And the only part of that material that is reported is what goes to the hauler which is roughly 200 tons, out of a possible 106,812 possible tons. The current study more accurately represents what is happening in Fairfield.			
6. If the proposed new generation tonnage results in an increase in your pounds per day, please explain how this is consistent with your current diversion implementation efforts and provide examples (e.g., change in jurisdiction's demographics). In addition, If your pounds per person is over the state average of 11.2 pounds, please explain why.			
The pounds of waste generated by per person per day are higher than the average due to the higher non-residential percentage and because the calculation is based on residential population. Just one business, the brewery, puts the pounds per person per day higher by 5.7 pounds.			

Section III - Disposal and Diversion Information		
1. Disposal Tonnage (enter values):	76198 <small>Residential</small>	30812 <small>Non-Residential</small>
		107010 Total
Please select the ONE choice below that best explains your disposal data and complete the required tables. <input checked="" type="checkbox"/> a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Number 2.) <input type="checkbox"/> b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.) <input type="checkbox"/> c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at www.ciwmb.ca.gov/LGCentral/Forms/rytnmdrq.doc and submit with the new base year study.)		

2. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. **Note:** *The Board expects the jurisdictions to be able to provide all back-up documentation, if requested.* Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition and percentage calculations). If any diversion is from restricted wastes, agricultural wastes, inert solids [e.g., concrete, asphalt, dirt, white goods, and scrap metal,] you must identify those programs and waste types and complete Section VI. Survey forms for the top ten businesses must be included as an attachment with the generation study year and should be identified as Attachment 4a.

(Note: The Board has indicated that total source reduction amounts greater than five percent will be scrutinized. Please be prepared to substantiate the amounts.)

Note: Detailed Non-Residential waste audit information for the top ten businesses surveyed must be included in Section IV.

Please use the Board's program types from the online glossary at:

<http://www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm>

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/PARIS/Codes/Reduce.htm	(A)	(A/Total Generation)			
Residential Source Reduction Activities					
Backyard composting					
Grasscycling					
Other Residential Source Reduction (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Source Reduction	0	0%			
Residential Recycling Activities					
Curbside Recycling	1051	0%	Paper materials, Glass materials, Plastic materials, aluminum materials	Actual Weights	Based on DOC report
Buyback Centers	2171	1%	Glass, plastic, aluminum	Actual Weights	Based on DOC report
Drop-off Centers	53	0%	Glass, plastic, aluminum, wood, metal, cardboard	Actual Weights	Based on DOC report

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Other Residential Recycling (list each program separately)					
Curbside Non-CRV	7553	2%	Bi-metal containers, cardboard, chip board, paper	Actual Weight	Total curbside tons (8604) reported on hauler annual report minus DOC annual report tonnage (1051). Removed due to double counting.
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Recycling	10828	4%			
Residential Composting Activities					
Green Waste Drop-off					
Curbside Green Waste	12116	4%	Green waste & food waste	Actual Weight	Per hauler annual report
Christmas Tree Program					
Other Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal, Residential Composting	12116	4%			
Subtotal, Residential Diversion	22944	7%			
Non-Residential Source Reduction Activities:					
Non-Residential Waste Audits	107479	35%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Source Reduction (list each program separately)					
City Parks and Buildings Grasscycling	1900	1%	Grass	250 Total Mowable Acres x 7.6 tons	City Public Works
Commercial & Ind. Green Waste	5832	2%	Green waste	Actual Weight	Based on annual hauler report
Subtotal, Non-Residential Source Reduction	115211	37%			

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)
Please use the Board's program types. The program type glossary is online at: www.ciwm.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)			
Non-Residential Recycling Activities:					
Non-Residential Waste Audits	49127	16%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	49127	16%			
Non-Residential Composting Activities					
Non-Residential Waste Audits	325	0%	Detailed information must be included in Section V	Detailed information must be included in Section V	Detailed information must be included in Section V
Other Non-Residential Composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	325	0%			
Subtotal Non-Residential Diversion	164664	53%			
Other Waste Material Activities					
Residential					
ADC	14020	5%	Green material, sludge and C & D	Actual Weight	Jurisdictional Disposal by Facility Report
Sludge (must submit sludge cert form)					
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
Other (e.g., ag waste)					
Subtotal Residential Waste	14020	5%			
Non-Residential					
ADC	0	0%			
Sludge (must submit sludge cert form)					
Scrap Metal					
Construction and Demolition					
Landfill Salvage					
Other (e.g., ag waste)					
Subtotal Non-Residential Waste	0	0%			

Diversion Activity	Actual tons	Percent of Total Generation	Specific Material Type(s) (List program w/multiple materials in one box)	Indicate whether Actual Tons or Specific Conversion Factor and Source of Factor	Type of Record (include copy with submittal)				
Please use the Board's program types. The program type glossary is online at: www.ciwmb.ca.gov/LGCentral/Paris/Codes/Reduce.htm	(A)	(A/Total Generation)							
Subtotal Residential/	14020	5%							
Total Residential/Non-Residential	115211	37%							
Total Diversion Tons	201628	65%							
Total Disposal Tons from Number 1	107010	35%							
Total Generation Tons (Div+Dis)	308638								
NEW GENERATION STUDY DIVERSION RATE	65%								
Additional Information for Report Year Calculations - Biomass and Transformation Activities (Note: you cannot claim both biomass and transformation.)									
Biomass (must submit biomass cert form and must be 10% or less-- use the calculator to calculate)									
Transformation									
Report Year Diversion Rate with Biomass or Transformation Credit									

Section IV - Specific Non-Residential Sector Waste Audits

1. Top 10 Non-Residential Generators

Please complete this table for the top ten non-residential businesses that were surveyed. **Use the business type in lieu of the specific business name.** (e.g., grocery store vs. Safeway) List each non-residential business separately from largest to smallest, based on total diversion tons. Audit reference number should be the same number used to identify businesses on the survey/audit sheets, and must correlate to the Section V spreadsheet.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include Material Type (e.g., paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section III)	Survey Method Phone (P) Mail (M) On-site (O) Other ____
Brewery	1	Cardboard, white paper, aluminum cans, scrap metal, yard waste, cullet glass, spent grain, plastic strapping, alcohol, plastic stretchwrap	104956	1662	165	106783.34	34.6%	On-Site - Report
Concrete Recycler	2	Concrete & Steel		47014		47014	15.2%	P/Fax
Grocery Store	3	Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, phone books, produce trim, stretch film, wax OCC		226	80	305.8	0.1%	P/Fax
Grocery Store	4	Bakery waste, bone/fat, grease/oil, paper, newspaper, OCC, pallets, phone books, plastic pallets, produce trim, stretch film, wax OCC		226	80	305.8	0.1%	P/Fax
Golf Course	5	Grasscycling	1368			1368	0.4%	On-Site - Report
Golf Course	6	Grasscycling	1155			1155.2	0.4%	On-Site - Report
Totals			107479.2	49127.46	325.48	156932.14	50.8%	

Also complete Section V which includes all of the businesses surveyed. Use the type of business and audit reference number in lieu of the specific business name. For each business include the diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors and sources. Copies of the audit survey form(s) for each of the top ten businesses **must** be included as an attachment.

Section V - Non-Residential Generator Audit Diversion Spreadsheet							
Worksheet is unlocked to allow modification (e.g., , adding ten rows and a subtotal row to the table for each generator). If you have any questions, please contact your OLA Representative at (916 341-6199).							
Non-Residential Generator Audit Diversion							
Non residential Generator Survey/Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
1	Brewery	Spent Grain	Actual weight	104956	0	0	104956
		Glass (cullet)	Actual weight	0	630	0	630
		Aluminum	Actual weight	0	46	0	46
		Cardboard	Actual weight	0	647	0	647
		Plastic Strapping	Actual weight	0	19	0	19
		Scrap Metal	Actual weight	0	184	0	184
		Grasscycling	21.75 mowable acres at 7.6 tons per acre per year	0	0	165	165
		White Paper	Actual weight	0	11	0	11
		Plastic stretch wrap	Actual weight		5.5		5.5
		Alcohol	Actual weight		120		120
Subtotal -	Subtotal			104956	1662.5	165	106783.5
2	Concrete Recycler	Concrete	Actual weight	0	46934	0	46934
		Steel	Actual weight	0	80	0	80
Subtotal -	Subtotal			0	47014	0	47014
3	Grocery Store	Bakery Waste	Actual weight	0	0	1.63	1.63
		Bone/Fat	Actual weight	0	0	14.78	14.78
		Produce Trim	Actual weight	0	0	50.26	50.26
		Grease/Oil	Actual weight	0	2.61	0	2.61
		Paper	Actual weight	0	0.65	0	0.65
		Newspaper	Actual weight	0	0.003	0	0.003
		OCC	Actual weight	0	218	0	218
		Phone Books	Actual weight	0	0.39	0	0.39
		Stretch Film	Actual weight	0	4.23	0	4.23
		Wax OCC	Actual weight	0	0	13.42	13.42
Subtotal -	Subtotal			0	225.883	80.09	305.973

Non residential Generator Survey/Audit Identification Number	Generator Type (Example - grocery store, retail, manufacturer)	Material Type (Example - cardboard, glass, plastic, etc.)	Specific Conversion Factor and Source or Actual Weight	Source Reduction (Tons)	Recycling (Tons)	Composting (Tons)	Total Tons
4	Grocery Store	Bakery Waste	Actual weight	0	0	1.63	1.63
		Bone/Fat	Actual weight	0	0	14.78	14.78
		Produce Trim	Actual weight	0	0	50.26	50.26
		Grease/Oil	Actual weight	0	2.61	0	2.61
		Paper	Actual weight	0	0.65	0	0.65
		Newspaper	Actual weight	0	0.003	0	0.003
		OCC	Actual weight		218	0	218
		Phone Books	Actual weight	0	0.39	0	0.39
		Stretch Film	Actual weight	0	4.23	0	4.23
		Wax OCC	Actual weight	0	0	13.42	13.42
Subtotal -	Subtotal			0	225.883	80.09	305.973
5	Golf Course	Grasscycling	180 acres at 7.6 tons per acre per year	1368	0		1368
	Subtotal			1368			1368
	Golf Course	Grasscycling	152 acres at 7.6 tons per acre per year	1155			1155
Subtotal -	Subtotal			1155	0	0	1155
Grand Total	Total			107,479	49,128	325	156,932

Section VI - Restricted Waste

For each restricted waste type (i.e., agricultural waste, inert solids, [e.g. concrete, asphalt, dirt, etc.] scrap metals and white goods [PRC section 41781.2]) and associated program or generator, please provide the following information:

1. If the diversion program started on or after January 1, 1990, complete the following table.

Note: Specific Program Name refers to one specific diversion program for that waste type (e.g., "Diversion conducted by city public waste dept.") Please input the complete program name with business type if appropriate.

Restricted Waste Type	Audit Reference Number	Specific Program Name	Year Started	Tonnage
Inert Solids ▼	2	Concrete Recycler	1995	46934
Scrap Metal ▼	2	Concrete Recycler	1995	80
Scrap Metal ▼	1	Brewery	1995	184
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

2. If the diversion program started before January 1, 1990 - and if documentation on the program and waste type has not been approved by the Board, on a separate sheet marked "Attachment Section VI. 2", provide the documentation that indicates:

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion (PRC sec. 41781.2 [c] [1]).
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. **Note:** this criterion is applicable to the entire jurisdiction, not to individual programs (PRC sec. 41781.2 [c] [2]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its source reduction and recycling element.

Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an "Attachment Section VI.2" for that waste type and program.

Instead please provide date of Board approval of previously submitted information.

_____ (Date)

If documentation is not available, go to Number 4.

3. If the diversion program started before January 1, 1990, and the documentation requested in Section VI.2" is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Audit Reference Number	Specific Program Name	New Base Year or Reporting Year Diversion Tonnage
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

4. If the diversion program started before January 1, 1990, and the documentation requested in Sect.VI.2 is not available, please complete the table below for each program claimed. **Note:** Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation. The 1990 tonnage must be substantiated.

Restricted Waste Type	Audit Reference Number	Specific Program Name	New Base Year or Reporting Year Tonnage	1990 Diversion Tonnage	Difference
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					
Pull Down for Waste Types ▼					

Table A: Site Visit Verification Findings, Diversion Tonnage and Deductions for the City of Fairfield

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
1	Brewery	Spent Grain	Source Reduction	104,956.00	Actual Weight	104,956.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Glass (cullet)	Recycling	630	Actual Weight	630.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Aluminum	Recycling	46.00	Actual Weight	46.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Cardboard	Recycling	647.00	Actual Weight	647.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
		Plastic Strapping	Recycling	18.54	Actual Weight	18.54	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Scrap Metal	Recycling	184.00	Actual Weight	184.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Grasscycling	Source Reduction	165.00	21,75 acres at 7.6 tons per acre per year	165.30	Mowable Acres confirmed by Brewery maintenance department.
		White Paper	Recycling	11.00	Actual Weight	11.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Alcohol	Recycling	120.00	Actual Weight	120.00	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. A business purchases the alcohol from the Brewery and remanufacturers it into a fuel. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
		Plastic Stretchwrap	Recycling	5.50	Actual Weight	5.50	Staff confirmed the actual weight with a company representative and received an annual actual weight report from brewery. Recycling is a major program with the brewery and all tonnages have to be reported to the corporate office. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Beachwood Chips	Recycling	184.00	Actual Weight	0.00	This tonnage was eliminated since it had already been counted in the hauler data.
Subtotal -				106,967.04		106,783.34	
2	Concrete Recycler	Concrete	Recycling	46,934.00	Actual Weight	46,934.00	Staff confirmed the tonnage as actual weight based on an interview with management and from actual weight reports from the concrete recycler. Trucks are weighed at scales on site. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
		Steel	Recycling	80.00	Actual Weight	80.00	Staff confirmed the tonnage as actual weight based on an interview with management and from actual weight reports from the concrete recycler. Trucks are weighed at scales on site. This tonnage is consistent year-to-year and meets the requirement for representativeness for a new base year.
Subtotal -				47,014.00		47,014.00	
3	Grocery Store	Bakery Waste	Composting	181.83	Actual Weight	1.63	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Bone/Fat	Composting	1,700.00	Actual Weight	14.78	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Produce Trim	Composting	5,780.33	Actual Weight	50.26	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
		Wax OCC	Composting	1,542.77	Actual Weight	13.42	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Computer Paper	Recycling	75.32	Actual Weight	0.65	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Grease/Oil	Recycling	300.00	Actual Weight	2.61	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Newspaper	Recycling	3.47	Actual Weight	0.03	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		OCC	Recycling	25,047.00	Actual Weight	218.00	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Phone Books	Recycling	45.00	Actual Weight	0.39	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Stretch Film	Recycling	486.11	Actual Weight	4.23	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Pallets (including plastic and chip)	Recycling	5,779.85	Actual Weight	0.00	Pallets are backhauled to the corporate office. A net reduction in disposal was not demonstrated.
Subtotal -				40,941.68		306.00	
4	Grocery Store	Bakery Waste	Composting	181.83	Actual Weight	1.63	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
		Bone/Fat	Composting	1,700.00	Actual Weight	14.78	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Produce Trim	Composting	5,780.33	Actual Weight	50.26	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Wax OCC	Composting	1,542.77	Actual Weight	13.42	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Computer Paper	Recycling	75.32	Actual Weight	0.65	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Grease/Oil	Recycling	300.00	Actual Weight	2.61	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Newspaper	Recycling	3.47	Actual Weight	0.03	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		OCC	Recycling	25,047.00	Actual Weight	218.00	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Phone Books	Recycling	45.00	Actual Weight	0.39	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Stretch Film	Recycling	486.11	Actual Weight	4.23	Staff verified with the grocery chain corporate office. A revised report was received from the corporate office showing the actual weights for each store.
		Pallets (including plastic and chep)	Recycling	5,779.85	Actual Weight	0.00	Pallets are backhauled to the corporate office. A net reduction in disposal was not demonstrated.

Business Audit/Survey Reference	Business Type	Material Type	Program Activity	NBY Study Claim (tons)	Conversion Factor	Verification Findings (tons)	Verification Findings Comments and Site Visit Methodology (if different from conversion factor in the study)
Subtotal -				40,941.68		306.00	
5	Golf Course	Grasscycling	Source Reduction	1,368.00	180 acres at 7.6 tons per acre per year	1,368.00	Staff confirmed the acreage with the golf course maintenance staff.
Subtotal -				1,368.00		1,368.00	
6	Golf Course	Grasscycling	Source Reduction	1,155.00	152 acres at 7.6 tons per acre per year	1,155.00	Staff confirmed the acreage with the golf course maintenance staff.
Subtotal	Golf Course			1,155.00		1,155.00	
7	City Parks	Grasscycling	Source Reduction	1,900.00	7.6 tons per acre per year	1,900.00	Staff confirmed the acreage with City Staff.
		Dry leaves	Composting	480.00	2794 cubic yards @ one cubic yard = 343.7 lbs.	0.00	This tonnage was eliminated because there was no way to determine the weight of the material.
		Chip trees	Composting	111.00	4780 cubic yards @ one cubic yard = 46.69 lbs.	0.00	This tonnage was eliminated because there was no way to determine the weight of the material.
Subtotal -				2,491.00		1,900.00	
	ADC	Sludge/Greeenwaste and C & D	Recycling	9,657.00	Actual Weight	14,020.00	CIWMB Staff confirmed actual weight per Disposal Reporting System which is an internal tracking database for ADC, Sludge and Greenwaste.
Subtotal				9,657.00		14,020.00	
Grand Total - Businesses				250,535.40		172,852.34	

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Resolution 2005-71

Consideration Of The Petition For Sludge Diversion Credit And Consideration Of A Request To Change The Base Year To 2003 For The Previously Approved Source Reduction And Recycling Element For The City Of Fairfield, Solano County

WHEREAS, Public Resources Code Sections 41031 (Cities) and 41331 (Counties) require that information submitted by a jurisdiction on the quantities of solid waste it has generated, diverted and disposed, shall include data as accurate as possible to enable the Integrated Waste Management Board (Board) to accurately measure the jurisdiction's achievement of the diversion requirement pursuant to PRC Section 41780; and

WHEREAS, the City of Fairfield (City) submitted documentation requesting to change its base year to 2003, which it claims is as accurate as possible; and

WHEREAS, a portion of the diversion tonnage originally claimed by the City has been modified as a result of staff verification, and is reflected in the staff-revised certification.

WHEREAS, the City's base-year change request includes a request for diversion credit for sludge diversion; and

WHEREAS, Public Resources Code (PRC) Section 41781.1 allows the Board to grant diversion credit for sludge to a qualifying jurisdiction for application toward the waste diversion requirements of PRC Section 41780, providing that certain specified requirements are met; and

WHEREAS, the City's sludge request complies with the requirements of PRC Section 41781.1 and Title 14, California Code of Regulations (CCR) Section 18775.2; and

NOW, THEREFORE, BE IT RESOLVED that the Board, as required by PRC Section 41781.1, finds that the City's sludge has been adequately analyzed and the material's reuse, as described, does not pose a threat to public health or the environment.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Board approves the City's request for sludge diversion credit to be applied toward the diversion requirements of PRC Section 41780.

(over)

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Board hereby approves the base year change with the staff-recommended changes as noted in this item to 2003 for the City of Fairfield.

CERTIFICATION

The undersigned Executive Director, or his designee, of the California Integrated Waste Management Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Integrated Waste Management Board held on March 15-16, 2005.

Dated:

Mark Leary
Executive Director